SEQUENCE LISTING

```
<110> Van Eyk, Jennifer E.

Iscoe, Steven D

Simpson, Jeremy A
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- <120> Methods of Diagnosing Muscle Damage
- <130> 1997-023-02US
- <140> 09/115,589
- <141> 1998-07-15
- <150> 60/052,697
- <151> 1997-07-16
- <160> 18
- <170> PatentIn Ver. 2.1
- <210> 1
- <211> 12
- <212> PRT
- <213> Unknown
- <220>
- <221> PEPTIDE
- <222> (1)..(12)
- <223> Myosin light chain 1
- <220>
- 221> PEPTIDE
- <222> (7)
- <223> May be either Pro or Ala
- <400> 1
- Xaa Xaa Lys Lys Pro Glu Xaa Lys Ala Aap Asp Ala
- <210> 2
- <211> 12
- <212> PRT
- <213> Unknown
- <220>
- <221> PEPTIDE
- <222> (1)..(12)

Sul.

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Xaa Pro Ala Pro Ala Ala Pro Ala Ala Pro
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<213> Unknown
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<223> malate dehydrogenase
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Xaa Lys Val Ala Leu Gly Ala Xaa Gly Gly Ile
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<400> 4
Xaa Xaa Leu Lys Asp Ile Thr Arg Arg Leu Lys Ser Ile
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<210> 5
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<223> ATP synthase oligomycin conferring protein
<400> 5
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42b

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                   5
 <210> 6
 <211> 10
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<213> Unknown
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<222> (1)..(10)
<223> serum albumin
<400> 6
Xaa Ala His Lys Ser Glu Ile Ala His Arg
<210> 7
<211> 11
<212> PRT
<213> Unknown
<220>
<221> PEPTIDE
<222> (4)
<223> May be Arg or Leu
<220>
<221> PEPTIDE
<222> (1)..(11)
<223> triose phosphate isomerase
<400> 7
Xaa Pro Ser Xaa Lys Phe Phe Val Gly Gly Asn
<210> 8
<211> 209
<212> PRT
<213> Unknown
<220>
<221> PEPTIDE
<222> (1)..(209)
<223> Human cardiac troponin I
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<220>
  <223> Swiss \prot identification number P19429
 <300>
 <303> FEBS Let
 <304> 270
 <306> 57-61
 <307> 1990
 <400> 8
 Ala Asp Gly Ser Sen Asp Ala Ala Arg Glu Pro Arg Pro Ala Pro Ala
                                       10
                                                           15
 Pro Ile Arg Arg Arg Ser Asn Tyr Arg Ala Tyr Ala Thr Glu Pro
              20
                                   25
                                                       30
 His Ala Lys Lys Lys Set Lys Ile Ser Ala Ser Arg Lys Leu Gln Leu
                               40
 Lys Thr Leu Leu Gln tle Ala Lys Gln Glu Leu Glu Arg Glu Ala
 Glu Glu Arg Arg Gly Glu Lyk Gly Arg Ala Leu Ser Thr Arg Cys Gln
Pro Leu Glu Leu Ala Gly Leu Gly Phe Ala Glu Leu Gln Asp Leu Cys
Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr Asp
Ile Glu Ala Lys Val Thr Lys Asn \tag{Tle Thr Glu Ile Ala Asp Leu Thr
        115
                             120
Gln Lys Ile Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu Arg
    130
                         135
Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly Ala
145
                    150
                                         155
Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val Lys
                165
                                     170
                                                         175
Lys Glu Asp Thr Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg Lys
            180
                                 185
                                                     190
Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Phe Glu
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195 200 205

Ser

<210> 9

<211> 186

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1) .. (186)

<223> Human slow\skeletal troponin I

<220>

<223> Swiss prot identification number P19237

<300>

<303> Genomics

<304> 7

<306> 346-357

<307> 1990

<400> 9

Pro Glu Val Glu Arg Lys Pro Lys Ile Thr Ala Ser Arg Lys Leu Leu

1 5 10 15

Leu Lys Ser Leu Met Leu Ala Lys Glu Cys Trp Glu Gln Glu
20 25 30

His Glu Glu Arg Glu Ala Glu Lyk Val Arg Tyr Leu Ala Glu Arg Ile
35 40 45

Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp Leu 50 55 60

Cys Arg Glu Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg Tyr
65 70 75 80

Asp Ile Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp Leu
85 90 95

Lys Leu Lys Val Met Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu
100 105 110

Arg Arg Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu Gly

Duly Cont

115

125

Ser Lys His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser Val 130 135 140

Lys Lys Glu Asp Thr Glu Lys Glu Arg Pro Val Glu Val Gly Asp Trp
145 150 155 160

Arg Lys Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys Met
165 170 175

Phe Asp Ala Ala tys Ser Pro Thr Ser Gln
180 185

<210> 10

<211> 181

<212> PRT

<213> Unknown

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<221> PEPTIDE

<222> (1)..(181)

<223> Human fast skeleta troponin I

<220>

<223> Swiss prot identification number P48788

<300>

<303> Biochim. Biophys. Acta

<304> 1217

<306> 338-340

<307> 1994

<400> 10

Gly Asp Glu Glu Lys Arg Asn Arg Ala Ile Thr Ala Arg Arg Gln His

1 5 10 15

Leu Lys Ser Val Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys Glu
20 25 30

Glu Ser Arg Arg Glu Ala Glu Lys Gln Asn Tyr Leu Ala Glu His Cys
35 40 45

Pro Pro Leu His Ile Pro Gly Ser Met Ser Glu Val Gln Glu Leu Cys
50 55 60

Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu Lys Tyr Asp

Met Glu Val Arg Val Gln Lys Thr Ser Lys Glu Leu Glu Asp Met Asn 85 90 95

Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu Arg

Arg Val Arg Met Ser Ala Asp Ala Met Leu Lys Ala Leu Leu Gly Ser

Lys His Lys Val Cys Met Asp Leu Arg Ala Asn Leu Lys Gln Val Lys
130 140

Lys Glu Asp Thr Glu Lys Glu Arg Asp Leu Arg Asp Val Gly Asp Trp
145 150 155 160

Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys Met
165 170 175

Phe Glu Ser Glu Ser 180

<210> 11

<211> 210

<212> PRT

<213> Unknown

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<222> (1)..(210)

<223> Rat cardiac troponin I

<220>

<223> Swiss prot identification number P23693

<300>

<303> Biochemistry

<304> 30

<306> 707-712

<307> 1991

<400> 11

Ala Asp Glu Ser Ser Asp Ala Ala Gly Glu Pro Gln Pro Ala Pro Ala 1 5 15

Pro Val Arg Arg Ser Ser Ala Asn Tyr Arg Ala Tyr Ala Thr Glu

Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln
35 40 45

Leu Lys Thr deu Met Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu
50 60

Ala Glu Glu Arg Gly Glu Lys Gly Arg Val Leu Ser Thr Arg Cys
65 70 75 80

Gln Pro Leu Val Leu Asp Gly Leu Gly Phe Glu Glu Leu Gln Asp Leu 85 90 95

Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr
100 105 110

Asp Val Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu 115 120 125

Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu 130 135 140

Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly
145 150 155 160

Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val

Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg
180 185 190

Lys Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Phe
195 200 205

Glu Gly

210

<210> 12

<211> 186

<212> PRT

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<221> PEPTIDE

<222> (1)..(186)

<223> Rat slow skeletal troponin

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<220>
 <223> Swiss prot identification number P13413
 <300>
 <303> J. Biol. Chem.
 <304> 264
 <306> 14327-14333
 <307> 1989
 <400> 12
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                                       10
                                                           15
Leu Lys Ser Leu Met Leu Ala Lys Ala Lys Glu Cys Trp Glu Gln Glu
              20
                                                       30
His Glu Glu Arg Glu Ala Glu Lys Val Arg Tyr Leu Ser Glu Arg Ile
          35
                              40
Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp Leu
Cys Arg Glu Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg Tyr
                      70
                                          75
Asp Ile Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp Leu
Lys Leu Lys Val Leu Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu
            100
                                 105
Arg Arg Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu Gly
        115
                             120
Ser Lys His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser Val
    130
                         135
Lys Lys Glu Asp Thr Glu Lys Glu Ard Pro Val Glu Val Gly Asp Trp
145
                    150
                                         155
Arg Lys Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys Met
                165
                                     170
                                                         175
Phe Asp Ala Ala Lys Ser Pro Thr Leu dln
            180
                                 185
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42i

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<210>\13
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 <212> PRT
 <213> Unknown
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 <221> PEPTIDE
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 <223> Rat fast skeletal troponin I
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Gly Asp Glu Glu Ly Arg Asn Arg Ala Ile Thr Ala Arg Arg Gln His
                                      10
Leu Lys Ser Val Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys Glu
             20
                                  25
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Glu Ser Arg Arg Glu Ser Glu Lys Gln Asn Tyr Leu Ser Glu His Cys
         35
                                                  45
Pro Pro Leu His Ile Pro Gly Ser Met Ser Glu Val Gln Glu Leu Cys
Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu Lys Tyr Asp
                     70
                                          75
Met Glu Val Lys Val Gln Lys Set Ser Lys Glu Leu Glu Asp Met Asn
                                      90
Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu Arg
                                 10\5
Arg Val Arg Met Ser Ala Asp Ala Met\Leu Lys Ala Leu Leu Gly Ser
        115
Lys His Lys Val Cys Met Asp Leu Arg Ala Asn Leu Lys Gln Val Lys
    130
                        135
                                             140
Lys Glu Asp Thr Glu Lys Glu Arg Asp Leu Arg Asp Val Gly Asp Trp
145
                    150
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Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys Met
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Phe Glu Ser Glu Ser
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<210> 14

<211> 287

<212> PRT

<213> Unknown

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<221> PEPTIDE

<222> (1)..(287)

<223> Human cardiad troponin T

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<223> Swiss prot identification number P45379

<300>

<303> FEBS Lett.

<304> 328

<306> 139-144

<307> 1993

<400> 14

Glu Ala Ala Val Glu Glu Glu Glu Ala Ala Glu Glu Asp Ala Glu
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Ala Glu Ala Glu Thr Glu Glu Thr Arg Ala Glu Glu Asp Glu Glu Glu 35

Glu Glu Ala Lys Glu Ala Glu Asp dly Pro Met Glu Glu Ser Lys Pro
50 55 60

Lys Pro Arg Ser Phe Met Pro Asn Led Val Pro Pro Lys Ile Pro Asp
65 70 75 80

Gly Glu Arg Val Asp Phe Asp Asp Ile His Arg Lys Arg Met Glu Lys
85 95

Asp Leu Asn Glu Leu Gln Ala Leu Ile Glu Ala His Phe Glu Asn Arg
100 105 110

Lys Lys Glu Glu Glu Leu Val Ser Leu Lys Asp Arg Ile Glu Arg

j

115 120

Arg Arg Ala Glu Arg Ala Glu Gln Gln Arg Ile Arg Asn Glu Arg Glu
130 135 140

125

Lys Glu Arg Gln Asn Arg Leu Ala Glu Glu Arg Ala Arg Arg Glu Glu
145 150 155 160

Glu Glu Asn Arg Lys Ala Glu Asp Glu Ala Arg Lys Lys Ala 165 170 175

Leu Ser Asn Met Met His Phe Gly Gly Tyr Ile Gln Lys Gln Ala Gln 180 185 190

Thr Glu Arg Lys Ser Gly Lys Arg Gln Thr Glu Arg Glu Lys Lys Lys 195 200 205

Lys Ile Leu Ala Glu Arg Lys Val Leu Ala Ile Asp His Leu Asn 210 215 220

Glu Asp Gln Leu Arg Glu Lys Ala Lys Glu Leu Trp Gln Ser Ile Tyr
225 230 235 240

Asn Leu Glu Ala Glu Lys Phe Asp Leu Gln Glu Lys Phe Lys Gln Gln 245 250 255

Lys Tyr Glu Ile Asn Val Leu Arg Asn Arg Ile Asn Asp Asn Gln Lys
260 265 270

Val Ser Lys Thr Arg Gly Lys Ala Lys Val Thr Gly Arg Trp Lys
275 280 285

<210> 15

<211> 277

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1)..(277)

<223> Human slow skeletal troponin T

<220>

<223> Swiss prot identification number P13805

<300>

<303> J. Biol. Chem.

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<304> 262
 <306> 16122-16126
 <307> 1987
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Ala Ala Glu Glu Glu Glu Ala Pro Glu Glu Pro Glu Pro Val Ala
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Glu Pro Glu Glu Ghu Arg Pro Lys Pro Ser Arg Pro Val Val Pro Pro
         35
                             40
                                                45
Leu Ile Pro Pro Lys Ile Pro Glu Gly Glu Arg Val Asp Phe Asp Asp
                         55
Ile His Arg Lys Arg Met Glu Lys Asp Leu Leu Glu Leu Gln Thr Leu
                                         75
                                                            80
Ile Asp Val His Phe Gl\(\frac{1}{4}\) Gln Arg Lys Lys Glu Glu Glu Glu Leu Val
                 85
                                     90
Ala Leu Lys Glu Arg Ile G\downarrowu Arg Arg Arg Ser Glu Arg Ala Glu Gln
                                105
                                                   110
Gln Arg Phe Arg Thr Glu Lys Glu Arg Glu Arg Gln Ala Lys Leu Ala
        115
Glu Glu Lys Met Arg Lys Glu Glu Glu Ala Lys Lys Arg Ala Glu
                        135
Asp Asp Ala Lys Lys Lys Val lac{1}{4}eu Ser Asn Met Gly Ala His Phe
                    150
                                       155
Gly Gly Tyr Leu Val Lys Ala Glu Glh Lys Arg Gly Lys Arg Gln Thr
                                   170
                                                       175
Gly Arg Glu Met Lys Val Arg Ile Leu Ser Glu Arg Lys Lys Pro Leu
            180
                               185
Asp Ile Asp Tyr Met Gly Glu Glu Gln Leu Arg Ala Arg Ser Ala Trp
        195
                           200
Leu Pro Pro Ser Gln Pro Ser Cys Pro Ala Arg Glu Lys Ala Gln Glu
    210
                       215
                                           220
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Leu Ser Asp Trp Ile His Gln Leu Glu Ser Glu\Lys Phe Asp Leu Met

Ala Lys Leu Lys Gln Gln Lys Tyr Glu Ile Asn Val Leu Tyr Asn Arg
245 250 255

Ile Ser His Ala Gln Lys Phe Arg Lys Gly Ala Gly Lys Gly Arg Val

Gly Gly Arg Trp\Lys

<210> 16

<211> 257

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1)..(257)

<223> Human fast skeletal troponin T

<220>

<223> Swiss prot identification number P45378

<300>

<303> DNA Cell Biol.

<304> 13

<306> 217-233

<307> 1994

<400> 16

Glu Ala Gln Glu Glu Glu Val Gln Glu Asp Thr Ala Glu Glu Asp
20 25 30

Ala Glu Glu Lys Pro Arg Pro Lys Leu Thr Ala Pro Lys Ile Pro
35 40 45

Glu Gly Glu Lys Val Asp Phe Asp Asp Ile Gln Lys Lys Arg Gln Asn
50 55 60

Lys Asp Leu Met Glu Leu Gln Ala Leu Ile Asp Ser His Phe Glu Ala
65 70 75 80

Arg Lys Glu Glu Glu Leu Val Ala Leu Lys Glu Arg Ile Glu

Lys Arg Arg Ala Glu Arg Ala Glu Gln Gln Arg Ile Arg Ala Glu Lys
100 105 110

Glu Arg Glu Arg Gln Asn Arg Leu Ala Glu Glu Lys Ala Arg Arg Glu
115 120 125

Glu Glu Asp Ala Lys Arg Arg Ala Glu Asp Asp Leu Lys Lys Lys 130 135 140

Ala Leu Ser Ser Met Gly Ala Asn Tyr Ser Ser Tyr Leu Ala Lys Ala 145 150 155 160

Asp Gln Lys Arg Gly Lys Lys Gln Thr Ala Arg Glu Met Lys Lys Lys 165 170 175

Ile Leu Ala Glu Arg Arg Lys Pro Leu Asn Ile Asp His Leu Gly Glu
180 185 190

Asp Lys Leu Arg Asp Lys Ala Lys Glu Leu Trp Glu Thr Leu His Gln
195 200 205

Leu Glu Ile Asp Lys Phe Glu Phe Gly Glu Lys Leu Lys Arg Gln Lys 210 220

Tyr Asp Ile Thr Thr Leu Arg Ser Arg Ile Asp Gln Ala Gln Lys His
225 230 235 240

Ser Lys Lys Ala Gly Thr Pro Ala Lys Gly Lys Val Gly Gly Arg Trp
245 250 255

Lys

<210> 17

<211> 298

<212> PRT

<213> Unknown

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<222> (1)..(298)

<223> Rat cardiac troponin T

<220>

<223> Swiss prot identification number P50753

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<303> J.
         Biol. Chem.
<304> 264
<306> 14471\14477
<307> 1989
<400> 17
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Glu Asp Trp Ser Glu Glu Glu Glu Asp Glu Gln Glu Glu Ala Val Glu
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Glu Glu Asp Gly Glu Ala Glu Pro Asp Pro Glu Gly Glu Ala Glu Ala
         35
Glu Glu Asp Lys Ala 🞝 u Glu Val Gly Pro Asp Glu Glu Ala Arg Asp
Ala Glu Asp Gly Pro Val Glu Asp Ser Lys Pro Lys Pro Ser Arg Leu
                                          75
Phe Met Pro Asn Leu Val Pro Pro Lys Ile Pro Asp Gly Glu Arg Val
                                      90
Asp Phe Asp Asp Ile His Arg Lys Arg Met Glu Lys Asp Leu Asn Glu
Leu Gln Thr Leu Ile Glu Ala His Phe Glu Asn Arg Lys Lys Glu Glu
        115
                            120
                                                 125
Glu Glu Leu Ile Ser Leu Lys Asp Atg Ile Glu Lys Arg Arg Ala Glu
    130
                        135
                                             140
Arg Ala Glu Gln Gln Arg Ile Arg Asn Glu Arg Glu Lys Glu Arg Gln
145
                    150
                                         155
                                                             160
Asn Arg Leu Ala Glu Glu Arg Ala Arg Arg Glu Glu Glu Glu Asn Arg
                165
                                                         175
Arg Lys Ala Glu Asp Glu Ala Arg Lys Lys Lys Ala Leu Ser Asn Met
            180
                                 185
                                                     190
Met His Phe Gly Gly Tyr Ile Gln Lys Ala Glh Thr Glu Arg Lys Ser
        195
                             200
                                                 205
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Gly Lys Arg Gln Thr Glu Arg Glu Lys Lys Lys Lys Ile Leu Ala Glu

210 215 220 Arg Arg Lys tal Leu Ala Ile Asp His Leu Asn Glu Asp Gln Leu Arg 225 230 235 240 Glu Lys Ala Lys\Glu Leu Trp Gln Ser Ile His Asn Leu Glu Ala Glu 250 255 Lys Phe Asp Leu Glh Glu Lys Phe Lys Gln Gln Lys Tyr Glu Ile Asn 260 265 270 Val Leu Arg Asn Arg Ite Asn Asp Asn Gln Lys Val Ser Lys Thr Arg 275 280 285 Gly Lys Ala Lys Val Thr\Gly Arg Trp Lys 290 ₽95 <210> 18 <211> 258 <212> PRT <213> Unknown <220> <221> PEPTIDE <222> (1)..(258) <223> Rat fast skeletal troponin \T <220>

<223> Swiss prot identification number P09739

<300>

<303> J. Mol. Biol.

<304> 188

<306> 313-324

<307> 1986

<400> 18

Ser Asp Glu Glu Thr Glu Gln Val Glu Glu Glu Glu Glu Glu Glu 1

Glu Ala Gln Glu Glu Val Gln Glu Glu Ala\Pro Glu Pro Glu Glu 20 25

Val Gln Glu Glu Lys Pro Arg Pro Lys Leu Thr Ala Pro Lys Ile 35

Pro Glu Gly Glu Lys Val Asp Phe Asp Asp Ile Gln Lys Lys Arg Gln

Asn Lys Asp Leu Met Glu Leu Gln Ala Leu Ile Asp Ser His Phe Glu 65 70 75 80

Ala Arg Lys Clu Glu Glu Leu Ile Ala Leu Lys Glu Arg Ile

85
90
95

Glu Lys Arg Arg Ala Glu Arg Ala Glu Gln Gln Arg Ile Arg Ala Glu
100 105 110

Lys Glu Arg Glu Arg Gln Asn Arg Leu Ala Glu Glu Lys Ala Arg Arg

Glu Glu Glu Asp Ala Lys Arg Arg Ala Glu Asp Asp Leu Lys Lys 130 140

Lys Ala Leu Ser Ser Met Gly Ala Asn Tyr Ser Ser Tyr Leu Ala Lys
145 150 155 160

Ala Asp Gln Lys Arg Gly Lys Lys Gln Thr Ala Arg Glu Met Lys Lys
165 170 175

Lys Ile Leu Ala Glu Arg Arg Lys Pro Leu Asn Ile Asp His Leu Ser

Asp Asp Lys Leu Arg Asp Lys Ala Lys Glu Leu Trp Asp Thr Leu Tyr
195 200 205

Gln Leu Glu Thr Asp Lys Phe Glu Phe Gly Glu Lys Leu Lys Arg Gln
210 215 220

Lys Tyr Asp Ile Thr Thr Leu Arg Ser Arg Ile Asp Gln Ala Gln Lys
225 230 235 240

His Ser Lys Lys Ala Gly Ala Thr Ala Lys Gly Lys Val Gly Gly Arg

Trp Lys